

For Research Use Only

CEACAM8/CD66b Recombinant monoclonal antibody

Catalog Number: 83105-6-RR



Basic Information

Catalog Number: 83105-6-RR	GenBank Accession Number: BC026263	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1088	CloneNo.: 242954B2
Isotype: IgG	UNIPROT ID: P31997	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:5000-1:20000 IF/ICC: 1:200-1:800
Immunogen Catalog Number: EG32133	Full Name: carcinoembryonic antigen-related cell adhesion molecule 8	
	Calculated MW: 38 kDa	
	Observed MW: 95-100kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : human saliva, human peripheral blood leukocyte
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue, IF/ICC : Transfected CHO-K1,

Background Information

Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8), also known as CD66b, CGM6 or NCA-95, is a member of the carcinoembryonic antigen (CEA) family which belongs to the immunoglobulin superfamily of cell adhesion molecules (PMID: 16919437). CEACAM8 is a glycosylphosphatidylinositol (GPI)-linked glycoprotein expressed on granulocytes (PMID: 8104998; 18056392). It is involved in regulating adhesion and activation of eosinophils (PMID: 18056392).

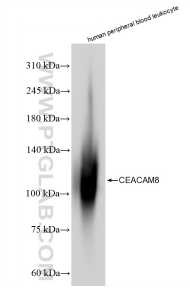
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

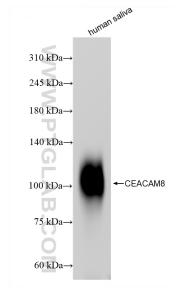
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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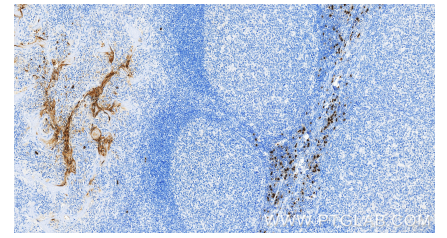
Selected Validation Data



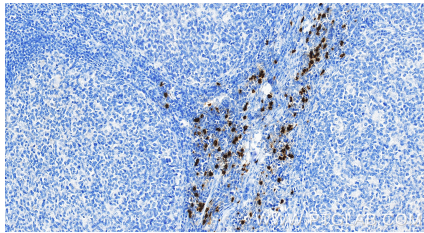
human peripheral blood leukocyte were subjected to SDS PAGE followed by western blot with 83105-6-RR (CEACAM8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



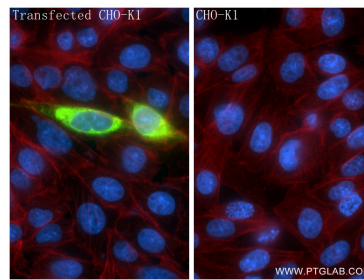
human saliva were subjected to SDS PAGE followed by western blot with 83105-6-RR (CEACAM8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



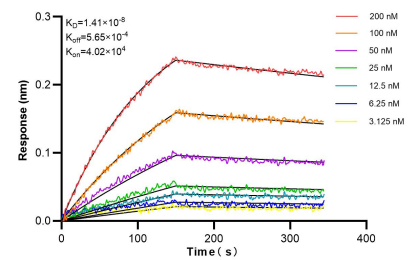
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83105-6-RR (CEACAM8/CD66b antibody) at dilution of 1:10000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (4% PFA) fixed Transfected CHO-K1 cells using CEACAM8 antibody (83105-6-RR, Clone: 242954B2) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bilayer interferometry (BLI) kinetic assays of 83105-6-RR against Human CEACAM8 were performed. The affinity constant is 14.1 nM.